



## LC Connectors, Adapters and Cable Assemblies meet the growing demand for small form factor, high-density fiber optic connectivity with simplex, duplex, singlemode and multimode options

LC connectors reduce space requirements by 50%, over 2.50mm ferrule connectors, without sacrificing performance. LC connectors are available in industry standard beige (multimode), blue (singlemode) and green (angle polish) colors, and will accommodate 900µm buffered fiber, 1.60mm, 2.00mm, or 3.00mm jacketed cable. With its six-position tuning feature, the connector may be used to achieve unprecedented insertion loss performance by optimizing the alignment of the fiber cores. Additionally, 45° and 90° boot options are available for 1.60mm and 2.00mm jacketed cable.

Eight-port, quad, duplex and simplex LC mating adapters are available in blue, beige, green and aqua colors. The adapters are available in snap-mount or screw-mount configurations, ceramic or metal alignment sleeves, and can also be provided with safety shutters on one or both sides to help prevent eye injuries.

### Features and Benefits

#### Connectors

Common and proven technologies combined in the LC connector system	System delivers a high-performance and easy-to-implement fiber optic interface
Tunable connector	Optimizes insertion loss performance
Versatile RJ-45 latching connector system	Press-to-release design for ease-of-use
Simplex and duplex versions	Provide unidirectional or bidirectional communication
Tested to Telcordia GR-326 and Compliant to TIA/EIA-604-10A (FOCIS-10)	Ensures long lasting reliability and interminability

#### Adapters

New eight-port adapter design	Accepts eight simplex connectors, four duplex connectors or a combination of the two for design flexibility
Safety shutters optional: internal and external shutters for plastic adapters; external shutters for metal adapters	Provide laser eye-safety protection when the adapter is not fully populated
Adapters available in plastic or metal housings	For design flexibility. Metal housings provide Electro Magnetic Interference (EMI) protection
Screw- and snap-mount styles available on all adapters except eight-port metal adapters which are only available in snap-mount versions	Allows for installation flexibility

## LC Connectors and Adapters

**106024**  
Simplex LC Connectors

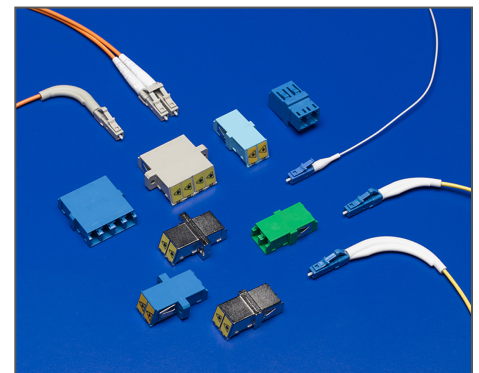
**106025**  
Duplex LC Connectors

**106124**  
Simplex LC Adapters

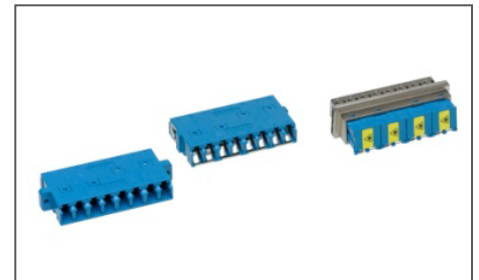
**106125, 106126, 106127**  
Duplex LC Adapters

**106123**  
Quad LC Adapters

**106121**  
Eight-Port LC Adapters



LC Connectors and Adapters



LC Eight-Port Adapters

### Specifications

#### Reference Information

Packaging:

Connectors: Bag

Eight-Port Adapters:

Plastic adapters:

plastic tray – 25 pieces each

Metal adapters:

plastic tray – 25 pieces each

Quad Adapters: Individual bag

UL File No.: Plastics used are UL94-V0

Mates With:

LC simplex or duplex connectors

mate with respective simplex,

duplex, quad or eight-port adapters

Designed In: Millimeters

RoHS: Yes

Halogen Free: Yes

#### Mechanical

Mating Force:

8.90N (mating for the LC Connectors)

Durability (min.):

250 mates and de-mates

#### Physical

Connector Ferrule: Zirconia Ceramic

Housing:

Plastic (Ultem) and Metal (Zinc) for

EMI versions

Alignment Sleeve:

Phosphor Bronze or Zirconia Ceramic

Plating:

Electro-less Nickel is used on EMI

adapters for plating

Operating Temperature:

-40 to +85 °C

### Applications

Telecommunication Applications

- Data Centers
- Hubs
- Servers
- Routers
- Central Office/Remote Hubs

Industrial Applications

Military/Aerospace Applications

Other Markets

- Optical DVI
- Storage Servers
- Local Area Networks (LANs)
- Premise Distribution



Data Center

### Simplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color		
106024-3500	Multimode	900um	Straight	Beige		
106024-3000						
106024-7180		1.60mm	45° Angled			
106024-3400			90° Angled			
106024-3300			Straight			
106024-7185		2.00mm	45° Angled			
106024-3600			90° Angled			
106024-3250			Straight			
106024-5500		Single Mode	900um		Straight	Blue
106024-5000						
106024-7140	1.60mm		45° Angled			
106024-5400			90° Angled			
106024-5300			Straight			
106024-7145	2.00mm		45° Angled			
106024-5600			90° Angled			
106024-5250			Straight			
			3.00mm	Straight		

### Duplex LC Connectors

Part Number	Type	Cable Size	Boot Type	Connector Color	Duplex Clip	
106025-3000	Multimode	1.60mm	Straight	Beige	1 piece push-on	
106025-7180			45° Angled			
106025-3400			90° Angled			
106025-3300		2.00mm	Straight			
106025-7185			45° Angled			
106025-3600			90° Angled			
106025-3250		3.00mm	Straight			Blue
106025-5000						
106025-7140		1.60mm	45° Angled			
106025-5400			90° Angled			
106025-5300	Straight					
106025-7145	2.00mm	45° Angled				
106025-5600		90° Angled				
106025-5250		Straight				
106025-3800	Multimode	3.00mm	Straight	Beige	2 piece snap-on	
106025-3150						
106025-5800	Single Mode	2.00mm				
106025-5150		3.00mm				

### Simplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style
106124-0010	Metal	Beige	Snap	Low Profile
106124-1010	Ceramic			
106124-1200		Aqua		
106124-0000	Metal	Blue		
106124-1000	Ceramic	Green		
106124-1050				
106124-0110	Metal	Beige		Standard
106124-1110	Ceramic			
106124-0100	Metal	Blue		
106124-1100	Ceramic			
106124-1150		Green		

### Duplex LC Adapters

Part Number	Sleeve	Color	Mounting type	Housing Style	Note
106125-0110	Metal	Beige	Snap	Large	MT-RJ Mounting
106125-1110	Ceramic				
106125-0100	Metal	Blue			
106125-1100	Ceramic				
106125-0010	Metal	Beige		Low Profile (Half Large)	
106125-1010	Ceramic				
106125-0000	Metal	Blue			
106125-1000	Ceramic				
106125-0210	Metal	Beige	Retaining Clip		
106125-1210	Ceramic				
106125-0200	Metal	Blue			
106125-1200	Ceramic				
106126-0410	Metal	Beige	Snap	No Shutters	
106126-0690	Metal	Die-Cast			
106126-1400	Ceramic	Blue			
106126-1430		Aqua			
106126-1450		Green			
106126-1690		Die-Cast			
106126-0310	Metal	Beige	Screw		
106126-0590		Die-Cast			
106126-1300	Ceramic	Blue			
106126-1350		Green			
106126-1590		Die-Cast			
106127-0410	Metal	Beige	Snap	Shutters on one side	
106127-1610		Aqua			
106127-0690		Die-Cast			
106127-1400	Ceramic	Blue			
106127-1690		Die-Cast			
106127-1450		Green			
106127-0310	Metal	Beige	Screw		
106127-0590		Die-Cast			
106127-1300	Ceramic	Blue			
106127-1590		Die-Cast			
106127-1350		Green			

### Quad LC Adapters

Order No.	Housing Material	Alignment Sleeve	Mounting Style	Housing Color	Shutters		
106123-0500	Metal (EMI)	Zirconia Ceramic	Snap	Blue	Yes		
106123-0600			Screw			Green	
106123-0650				Rear Screw	Blue		No
106123-0660			Screw			Beige	Yes
106123-0700							
106123-0200	Phosphor Bronze	Aqua					
106123-1200				Zirconia Ceramic	Blue		
106123-2200			Phosphor Bronze			Beige	
106123-3200							Zirconia Ceramic
106123-0400	Snap	Aqua					
106123-1400				Phosphor Bronze	Blue		
106123-2400			Zirconia Ceramic			Beige	
106123-3400							Phosphor Bronze
106123-0100	Zirconia Ceramic	Aqua					
106123-1100				Screw	Blue		
106123-2100			Phosphor Bronze			Beige	
106123-3100							Zirconia Ceramic
106123-0300	Phosphor Bronze	Aqua					
106123-1300				Zirconia Ceramic	Blue		
106123-2300			Phosphor Bronze			Beige	
106123-3300							Snap
	Zirconia Ceramic	Aqua					
				Phosphor Bronze	No		

### Eight-Port LC Adapters

Order No.	Housing Material	Housing Color	Mounting Style	Shutters	Alignment Sleeve	
106121-0200	Plastic	Blue	Screw Mount	No	Zirconia Ceramic	
106121-0202		Beige			Phosphor Bronze	
106121-0201		Green			Zirconia Ceramic	
106121-0203		Aqua			Phosphor Bronze	
106121-0400		Blue	Snap Mount		Zirconia Ceramic	
106121-0402		Beige			Phosphor Bronze	
106121-0401		Green			Zirconia Ceramic	
106121-0403		Aqua			Phosphor Bronze	
106121-0100		Blue	Screw Mount	External	Zirconia Ceramic	
106121-0102		Beige			Phosphor Bronze	
106121-0101		Green			Zirconia Ceramic	
106121-0103		Aqua			Phosphor Bronze	
106121-0300		Blue			Snap Mount	Zirconia Ceramic
106121-0302		Beige				Phosphor Bronze
106121-0301		Green				Zirconia Ceramic
106121-0303		Aqua				Phosphor Bronze
106121-0450		Blue	Snap Mount	Internal	Zirconia Ceramic	
106121-0470		Beige			Phosphor Bronze	
106121-0460		Green			Zirconia Ceramic	
106121-0480		Aqua			Phosphor Bronze	
106121-0950	Metal (EMI)	Blue	Snap Mount	External	Zirconia Ceramic	
106121-0952		Beige			Phosphor Bronze	
106121-0951		Green			Zirconia Ceramic	
106121-0953		Aqua			Phosphor Bronze	